

SHIPPING MEMORANDUM

ORIGINATING CARRIER

SMITH TRANSFER

FILE NUMBER

DATE SHIPPED

OCT 17, 1985

FOB O/T SHIPPING POINT

Umetco Minerals Corporation



PO BOX 66 137 47th STREET • NIAGARA FALLS NEW YORK 14302

REQUIREMENT CARD NO

CUSTOMER'S ORDER NO

CONSIGNEE TO

RECORD NO

NUCLEAR RESEARCH CORPORATION
125 TITUS AVENUE
WARRINGTON, PA 18976

ATTN PETER HERTSIZ

SHIPPING LOC NO

PRODUCT CODE

SIZE CODE

CONT CODE

615

CHARGE

SHIPPING STW NO

REC STW NO

MODE OF SHIP

ROUTE

SEAL NO

DEPT SHIPPING

GATE NO

169 BLDG

DELIVERING CARRIER

VEHICLE INITIALS

NUMBER

NO OF PKGS

BILL OF LADING DESCRIPTION

WEIGHT

CLASS/RATE

CHECK

PREPAID STAMP

BIN LEVELING DEVICE WHICH CONTAINS
A RADIOACTIVE SOURCE
(2 EACH OF CE137)

560#

PREPAID

AMOUNT \$

LOT NUMBER

NO OF PKGS

TOTAL WEIGHT IN POUNDS

GROSS

TARE

NET

CHEMICAL ANALYSIS

560

PKG NO

INDIVIDUAL WEIGHTS IN POUNDS

GROSS

TARE

NET

PKG NO

INDIVIDUAL WEIGHTS IN POUNDS

GROSS

TARE

NET

PACKED BY THE MANUFACTURER

REQUESTED BY D J HANSEN

RADIOACTIVE MATERIAL, ~~SPECIAL FORM~~, N O S , ~~UN2974~~, UN2982
SEALED SOURCE, 0.1 CURIES, ISOTOPE CS-137
RADIOACTIVE YELLOW II LABEL
TRANSPORT INDEX 0.4, PACKAGE TYPE A

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation. This shipment is within the limitations prescribed for cargo-only aircraft.

SIGNATURE

STRAIGHT BILL OF LADING — SHORT FORM — ORIGINAL — Not Negotiable

SMITH TRANSFER

Carrier's No. _____

Name of Carrier

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

AT NIAGARA FALLS, N Y OCT 17 19 85 From UMETCO MINERALS CORPORATION

the property described below in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to NUCLEAR RESEARCH CORPORATION
125 TITUS AVENUE
 Destination WARRINGTON, PA State PA County _____
 Route RADIOACTIVE SOURCE
 Delivering Carrier ATTN. PETER HERTSIZ Car or Vehicle Initials _____ No _____ Seal No _____

No Packages	Kind of Package, Description of Articles, Special marks and Exceptions	*Weight (Sub to correction)	† Class or Rate	Check Column	Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	BIN LEVELING DEVICE WHICH CONTAINS A RADIOACTIVE SOURCE NOS (2 EACH OF CE137) UN-2982	560#			(Signature of consignor)
	THIS MATERIAL PACKED BY THE MANUFACTURER				If charges are to be prepaid, write or stamp here: To Be Prepaid
					PREPAID
					Received \$ _____
					to apply in prepayment of the charges on the property described hereon.
					Agent or Cashier
					Per _____ (The signature here acknowledges only the amount prepaid)
					Charges advanced
	NOTE TO CARRIER				
	Forward duplicate freight bills to UMETCO MINERALS CORPORATION P.O. Box 66 137-47th Street Niagara Falls, N.Y.				

RADIOACTIVE MATERIAL, SPECIAL FORM, N O S., UN-2982
 SEALED SOURCE, 0.1 CURIES, ISOTOPE CS-137
 RADIOACTIVE YELLOW II LABEL
 TRANSPORT INDEX 0.4, PACKAGE TYPE A

* If the shipment moves between two ports by a carrier by water or shipper's weight.

† This is to certify that the above articles are properly described by notation according to the regulations prescribed by the Interests at the time the boxes used for this shipment conform to the specifications in Classification.

‡ If the ratings under Item 33800 of the Uniform Freight Classification No charge the agreed or declared value of the property for transportation.

§ Shipper's imprint in lieu of stamp, not a part of bill of lading approved NOTE—Where the rate is dependent on value, shippers are rec

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The agreed or declared value of the property is hereby specifically stated

UMETCO MINERALS

BF-1282 (4-23-83)

SIGNATURE

Per CAROL A. U'REN

Shipper

Per

Permanent postoffice
 address of shipper
 UC 3-6-34

UCCNHT0003228

☐ CONTROL OFFICE
☐ RECEIVING DEPT _____
☐ ORIGINATING DEPT _____

PLANT		ID	DATE			CHARGE	REFERENCE	BS LOC	INV ACT				
			MONTH	DAY	YEAR								
615		42	10	16	85	25	08910						
1	3	4 - 5	6		11	12	16	17	21	22	24	25	27

CARD COLUMNS

			DESCRIPTION <i>MR. J. B. B.</i>										
	DEPT	LOCATION	LOT	PROD CODE	SIZE	PKG	QUANTITY	NO PKGS	WT PER PKG				
FROM	<i>1108</i>	<i>145</i>		<i>072235</i>	<i>MR. J. B. B.</i>	<i>1</i>							
To	<i>169</i>	<i>Building</i>			<i>MR. J. B. B.</i>	<i>1</i>							
CARD COLUMNS	29 31	32 35	36 40	41 46	47-49	50-51	52	61	62	66	67	76	

DETAIL

[illegible]

Umetco Minerals Corporation



PO BOX 579 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

10

October 24, 1985

210-0090

Mr Allen Jones
NDL Organization, Inc
P O Box 791
Peekskill, NY 10566

Subject Radioactive Materials

Dear Mr Jones

Further to our phone conversation of October 22, 1985 this letter will describe the radioactive material we wish to dispose of

1 Thorium Compounds

- 1a Thorium Nitrate - approximately 1 lb in a 400 ml bottle
- 1b Thorium Nitrate - approximately 1 lb in a 500 ml bottle
- 1c Thorium Oxide - approximately 1/2 lb in a 400 ml bottle
- 1d Thorium Chloride - approximately 1 lb in a 400 ml bottle
- 1e Four (4) thoria crucibles, 3-1/2" x 1-3/4" OD

2 Alphasatron Gauge (5" x 1-1/4" OD) containing less than 500 micrograms of radium Radioactivity measures 50 m rem/hr at 10 cm from open nipple
Manufactured by National Research Corporation

3 Unknown quantity of radium contained in a lead envelope (3" x 4" x 1/4") and wrapped in brown paper Radioactivity measures 3.5 m rem/hr at 10 cm from surface of lead envelope This increases to 20 m rem/hr at the surface

Since I talked to you, I looked more closely at the unknown radium source Probing the package made us suspect it was encapsulated in lead which was confirmed We do not have the proper facilities to probe further I suspect that this development will make it even more difficult to find a home for this source

UCCNHT0003230

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October 24, 1985

I am enclosing a filled out "Radioactive Waste Generator Questionnaire"

I have not signed the "Letter of Agreement and Certification" Our management objects to signing a document with open ended liability. If you have the capability we would prefer that you send somebody to Niagara Falls to do the packaging and arrange for transportation (at our expense) and to take title at our site

I appreciate the help you have provided to date and hope that you will be able to advise me on our next step

Very truly yours,

A handwritten signature in cursive script, appearing to read "Donald J. Hansen".

Donald J Hansen
Assistant Director - Technology


/mau/294h
Enclosure

cc. Messrs
D G Millenbruch
T J Kagetsu
L G Evans

UCCNHT0003231



Radioactive Waste Generator Questionnaire

1. Generating Facility: Umetco Minerals Corporation
2. Generating Facility Address: 4625 Royal Avenue
3. City: Niagara Falls County: Niagara
State: New York Zip: 14302
4. Radiation Safety Officer (Temporary)
for Facility shown in (2) above. A H Malik
Telephone: Normal hours (716) 879-2526
After hours ()
5. Person responsible for radioactive
waste packaging(if different than (4)): D J Hansen
Telephone: Normal hours (716) 278-3573
After hours (716) 754-7906
6. Has Facility in (2) above ever had
a burial site use permit or South
Carolina Radioactive Waste Transport Permit? ☒ Yes ☐ No
7. If Yes, please list permit number(s):
South Carolina ; valid? ☒ Yes ☐ No
Beatty, Nevada ; valid? ☐ Yes ☐ No
Richland, Washington ; valid? ☐ Yes ☐ No
8. Please list EPA Generator ID Number for
Facility shown in (2) above, if one has been
assigned:
9. Briefly describe your use of radioactive material:
Instrumentation, Chemicals
10. YOUR RADIOACTIVE MATERIALS LICENSE NUMBER: 210-0090
NDL Customer No.  Signature: Donald J Hansen
D J Hansen - Assistant Director - Technology
Typed Name & Title
Date. 10/24/85

UCCNHT0003232